

Welcome to Sandia National Laboratories/New Mexico Site-Wide Environmental Impact Statement Public Scoping Meeting

May 11, 2023 - The meeting will begin at 6:30 pm



Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.



Agenda

INNOVATE. COLLABORATE. DELIVER.

- Welcome and Meeting Logistics (5 minutes)
- Sandia Field Office Manager Remarks (5 minutes)
- Sandia Field Office Presentation (20 minutes)
- Questions and Answers on the Presentation (5-10 minutes)
- Receipt of Formal Scoping Comments (90 minutes)

- All scoping comments will be considered by National Nuclear Security Administration (NNSA) in the preparation of the draft Site-Wide Environmental Impact Statement (SWEIS)
 - Verbal comments will be recorded and transcribed for formal inclusion in the SWEIS.
 - All comments will be considered equally, whether spoken, mailed, or sent via electronic mail.
- Tonight's meeting is on the scope of the new SWEIS for Sandia National Laboratories/New Mexico (SNL/NM). Please limit your comments to this topic.

Meeting Logistics (cont.)

INNOVATE. COLLABORATE. DELIVER.

There are three ways to provide scoping comments:

- 1) Verbal: During a public meeting
- 2) Email: SNL-SWEIS@nnsa.doe.gov
- 3) Mail: SNL/NM SWEIS Comments
National Nuclear Security Administration
Sandia Field Office
PO Box 5400
Albuquerque, New Mexico 87185

Introduction

INNOVATE. COLLABORATE. DELIVER.



Dr. Daryl J. Hauck
Sandia Field Office
Manager
National Nuclear Security
Administration
Department of Energy



Dr. Adria Bodour
Sandia Field Office
NEPA Compliance Officer
National Nuclear Security
Administration
Department of Energy

Meeting Objectives

INNOVATE. COLLABORATE. DELIVER.

- Provide clear information on the scoping process
 - “Scoping” identifies issues that should be addressed in the preparation of the SWEIS, what should be evaluated, and what doesn’t need to be evaluated including the range of alternatives to be considered and the specific analyses of impacts
 - Scoping started April 21, 2023, when NNSA published the Notice of Intent in the *Federal Register* to prepare the new SWEIS for SNL/NM
- Give an opportunity to offer comments on the scope of the SNL/NM SWEIS

The National Environmental Policy Act

INNOVATE. COLLABORATE. DELIVER.

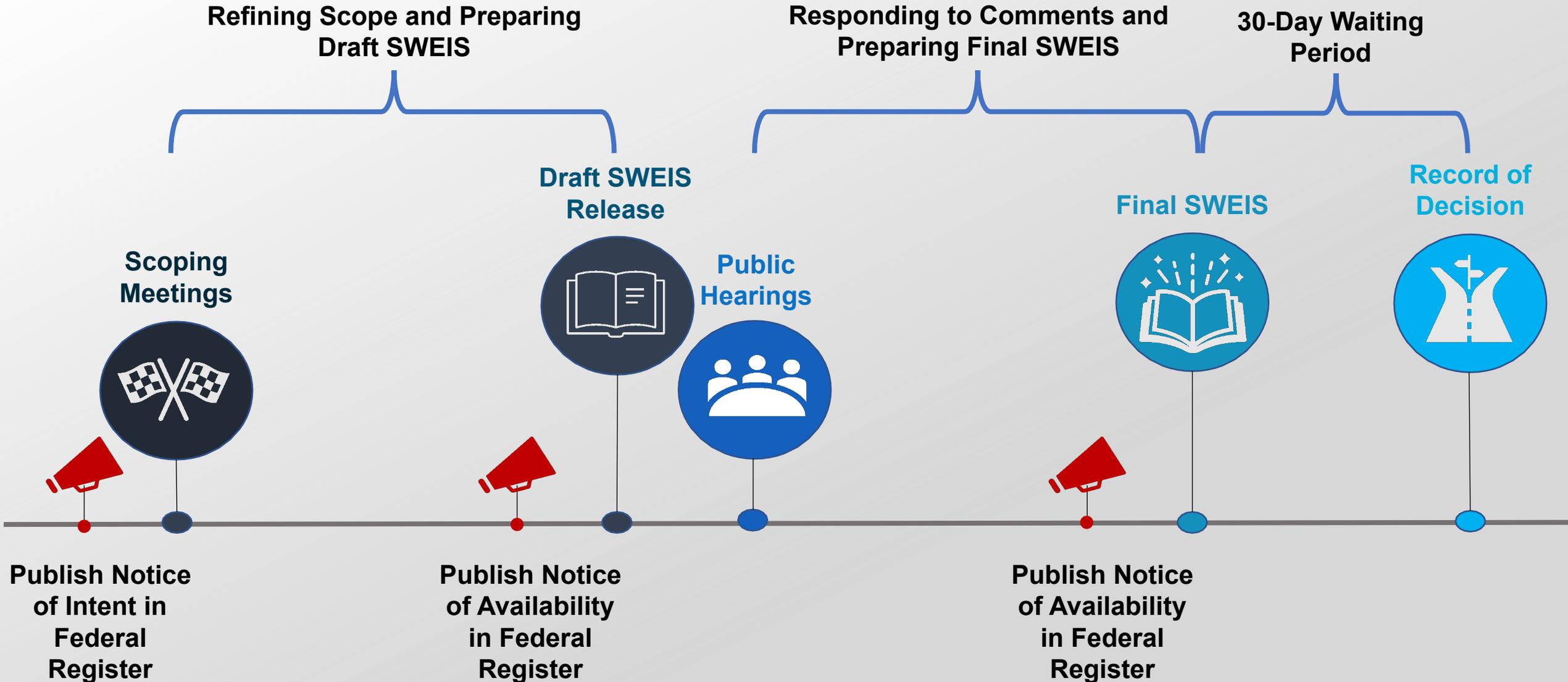
- The National Environmental Policy Act (NEPA) was signed into law in 1970
- NEPA requires Federal agencies to assess the environmental impacts of proposed major Federal actions prior to making decisions
- Requires analysis of environmental resource areas such as water, air, waste, energy, etc.
- NEPA requires public transparency on these environmental assessments



President Nixon signs the National Environmental Policy Act (NEPA) on January 1, 1970

Major Steps in an Environmental Impact Statement

INNOVATE. COLLABORATE. DELIVER.



Sandia National Laboratories

INNOVATE. COLLABORATE. DELIVER.



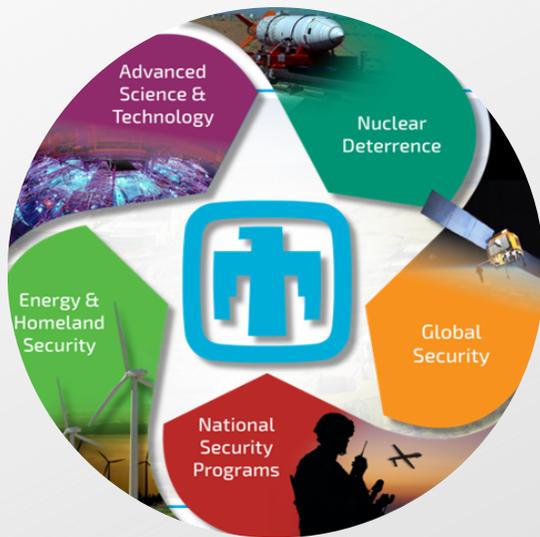
- Founded in 1949
 - Occupies ~16,000 acres within Kirtland Air Force Base (KAFB), DOE owned land and AF permitted land
 - Employs over 13,000 people in New Mexico
 - Contractor-operated by National Technology & Engineering Solutions of Sandia, LLC (NTESS)
-
- Supports NNSA and other federal agencies to ensure the safety, security, and reliability of the nation's nuclear deterrent
 - Conducts research in energy efficiency, renewable energy, magnetic fusion, basic energy sciences, supercomputing, biological and environmental research, and waste management
 - Contributes to community programs (K-12 through university levels) with outreach and internships encouraging science and engineering careers for future generations



SNL/NM Capabilities

INNOVATE. COLLABORATE. DELIVER.

- Weapon Component and System Surveillance and Assessment
- Microsystems R&D and Manufacturing
- High-Performance Computing
- Radiation Effects and High Energy Density Physics
- Materials Science & Engineering, and Advanced Manufacturing
- Energetic Materials and Components Science & Engineering
- Agile Component and Systems Design, Engineering, and Integration
- Cyber and Intelligence Science
- Synergistic Global Security Engineering
- Codes, Models, Data Analytics
- Advanced Experimental Diagnostics and Sensors
- Physical and Biological Sciences and Engineering
- Engineering Sciences and Testing
- Enabling Operations



**SNL/NM Mission
Portfolios**

Sandia National Laboratories (cont.)

INNOVATE. COLLABORATE. DELIVER.

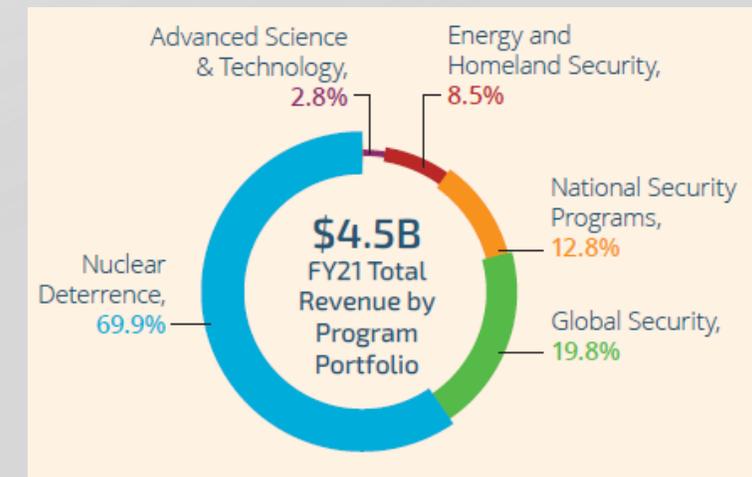
New Mexico Electric Car Challenge



- Technology partnerships and transfers
- Academic Programs, internships, collaborations
- Local opportunities and economic impact, partnering with small businesses
- Sandia Serves community involvement
- Partnering with K-12 education, community colleges, universities, and industry broader contributions

- SNL works in numerous locations: AK, CA, FL, HI, NM, NV, MN, OR, TX, & more
- At least 70% of SNL work occurs in NM
- New Mexico gross receipts taxes of \$111,700,000 in fiscal year 2022

Sandia Serves Saturdays



FY21 Total Revenue for All Locations

SNL/NM SWEIS Historical Context

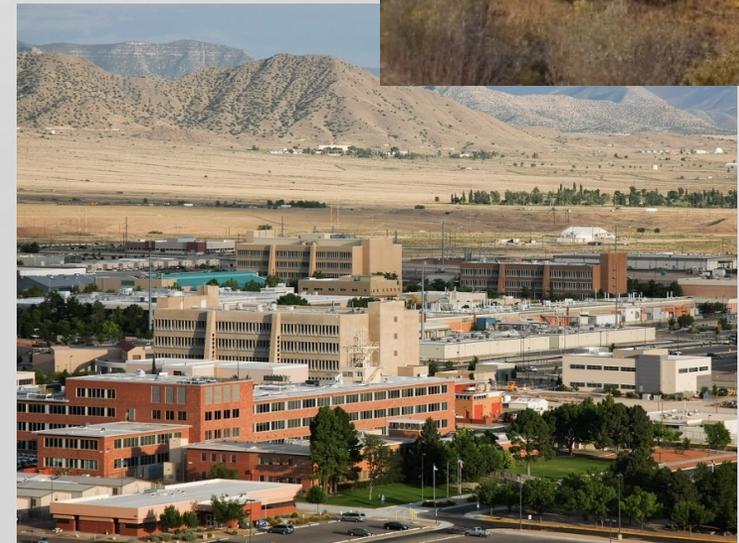
INNOVATE. COLLABORATE. DELIVER.

| Year | Document | Description |
|------|---|---|
| 1999 | SWEIS and Record of Decision (DOE/EIS-0281) | First comprehensive site-wide strategy for SNL/NM operations |
| 2006 | 5-Year Review via Supplement analysis (DOE/EIS-0281-SA-04) | Determined the adequacy of the existing 1999 SWEIS had no significant new circumstances or information relevant to environmental concerns and was adequate and thus neither a supplemental EIS nor a new SWEIS was required |
| 2011 | Notice of Intent to Prepare a new SWEIS (76 FR 37100; DOE/EIS-0466) | Planned a new SWEIS for continued SNL/NM operation; scoping was conducted and a draft SWEIS begun but NNSA determined not to complete |
| 2023 | Notice of Intent to Prepare a new SWEIS (DOE/EIS-0556) | Determined and announced the preparation of new SWEIS to analyze the potential environmental impacts for continuing operations of SNL/NM for the next 15 years |

SNL/NM SWEIS General Content

INNOVATE. COLLABORATE. DELIVER.

- Summary
- Introduction and Background
- Purpose and Need
- SNL/NM Missions and Planning Areas
- Alternatives
- Affected Environments
- Environmental Impacts
- Regulatory Compliance
- Technical Appendices

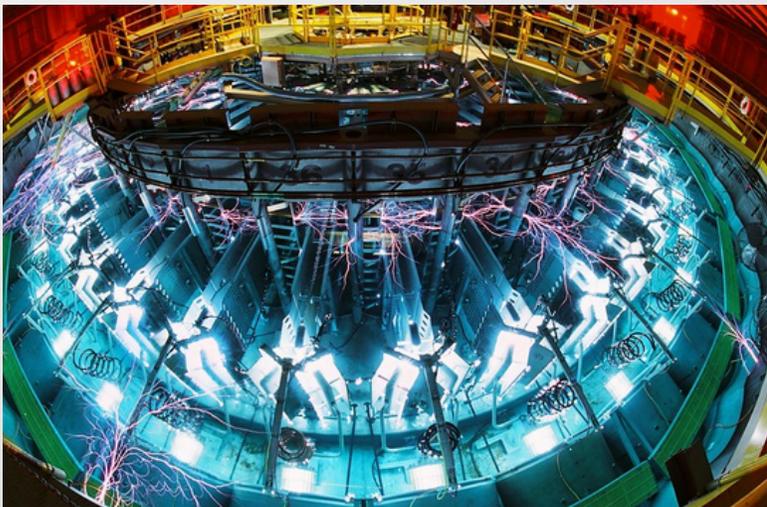


SNL/NM SWEIS Purpose and Need

INNOVATE. COLLABORATE. DELIVER.

To continue SNL/NM operations including supporting NNSA and other DOE missions:

- Supports DOE's overarching mission of ensuring America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions
- Has specific core competencies in research, development, design, and surveillance of nuclear weapons; assessment and certification of their safety, reliability, and performance; and production of components for the stockpile that are only found at SNL/NM

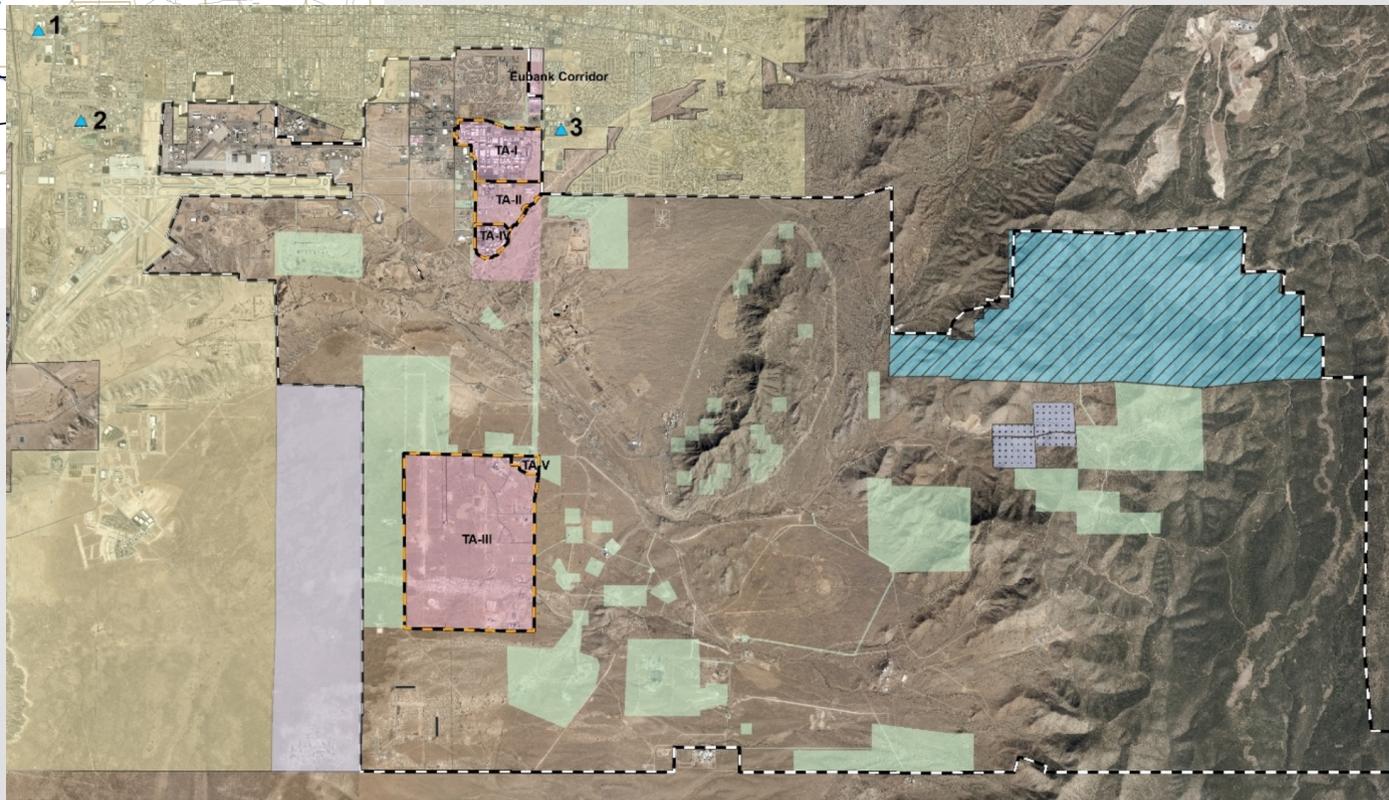
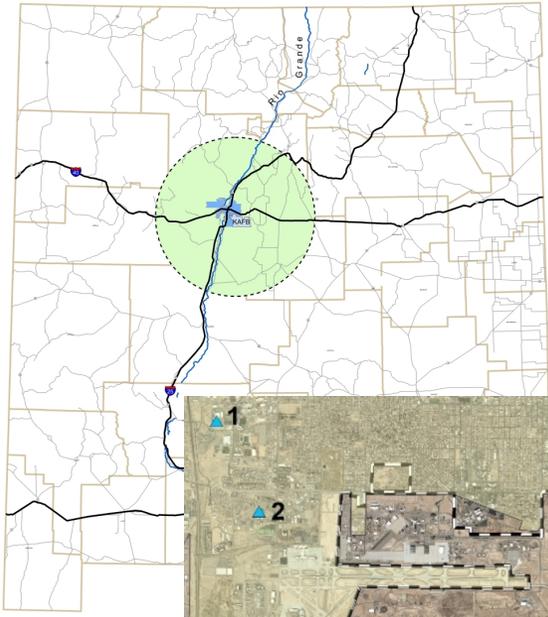


SNL/NM SWEIS Purpose and Need (cont.)

INNOVATE. COLLABORATE. DELIVER.

- Provides capabilities for strategic partnership projects, which oversees national security-related research, development, and testing programs, and conducts work for other entities, including other federal and state government agencies, industry, and academic institutions.

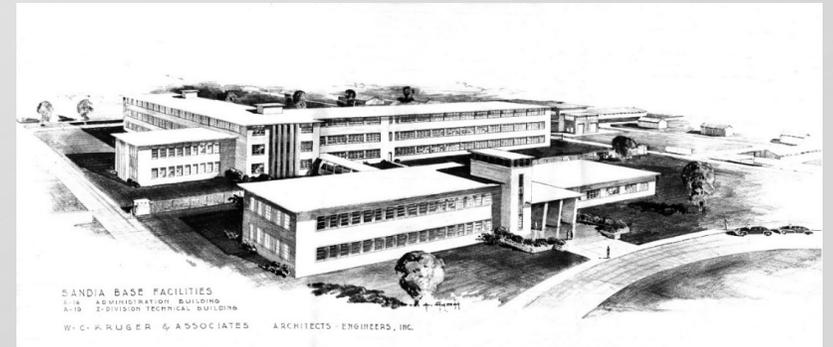
- Provides non-weapons research and science services in multiple areas, including waste management, hazardous and radioactive material transportation, energy efficiency and renewable energy, nuclear energy, fossil energy, magnetic fusion, basic energy sciences, supercomputing, and biological and environmental research



SNL/NM Alternatives

INNOVATE. COLLABORATE. DELIVER.

- 1) **No-Action** - continue current operations (status quo)
 - Activities, projects, and programs for which NEPA review is already complete or underway without modernization of aging facilities
- 2) **Modernized Operations** - includes the scope of the No-Action Alternative along with modernizing facilities/infrastructure
 - Replacements, upgrades, and renovations
 - Decontamination, decommissioning, and demolition of aged facilities/infrastructure
- 3) **Expanded Operations** - includes the scope of the Modernized Operations Alternative plus actions to expand operations and missions
 - Responds to future national security challenges and meets increasing requirements
 - Includes new facilities and upgrades construction that changes the nature & capability of facilities
 - Expands the capabilities at SNL/NM beyond those that currently exist



Resource Areas to Analyze

INNOVATE. COLLABORATE. DELIVER.

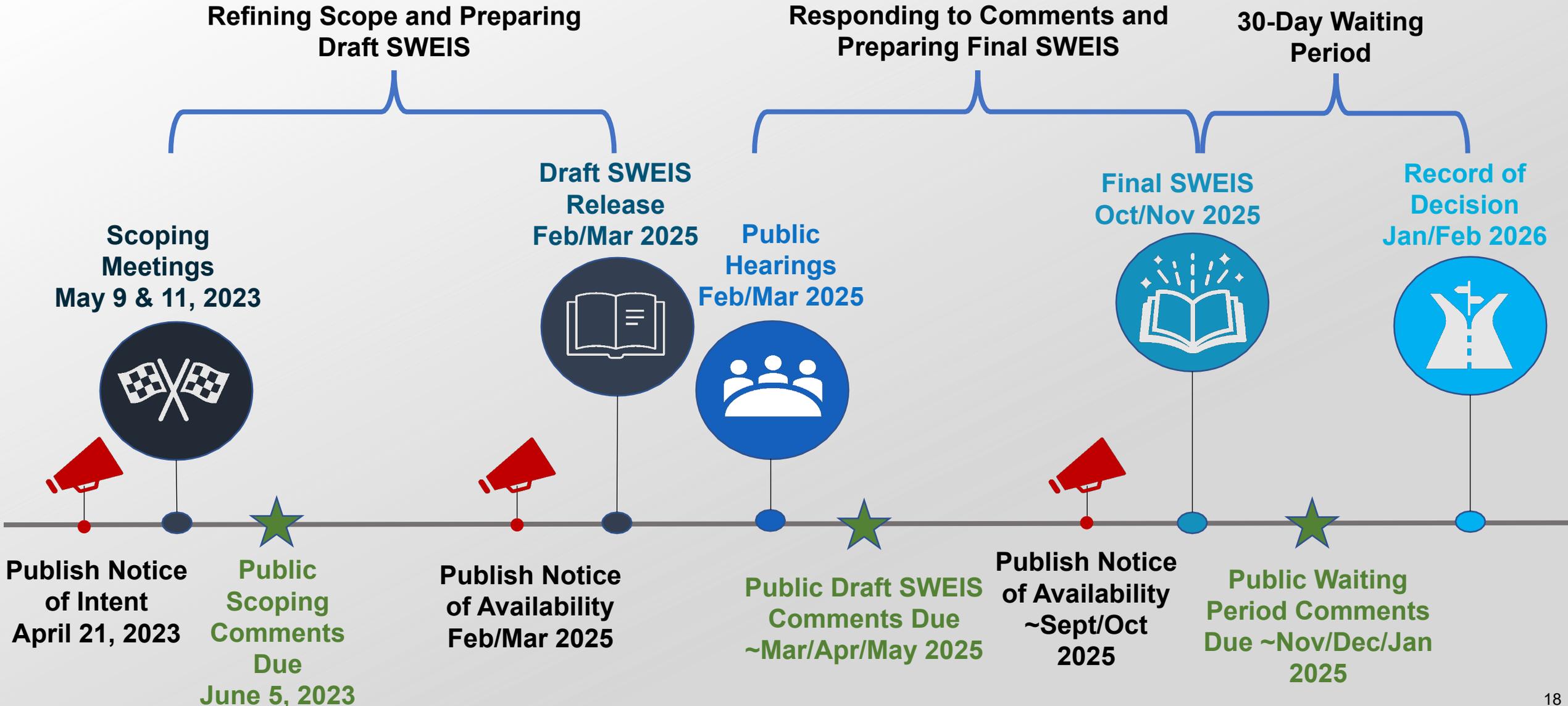
- Land and Visual Resources
- Geology and Soils
- Water Resources
- Air Quality and Noise
- Ecological Resources
- Human Health and Safety
- Socioeconomics and Infrastructure

- Climate Change
- Cultural Resources
- Waste Management and Pollution Prevention
- Traffic and Transportation
- Environmental Justice
- Site Contamination and Remediation
- Accident Analysis and Intentional Destructive Acts



SNL/NM SWEIS Tentative Schedule

INNOVATE. COLLABORATE. DELIVER.



Recap

INNOVATE. COLLABORATE. DELIVER.

The comment period closes on June 5, 2023. Comments may be submitted to:

- Email: SNL-SWEIS@nnsa.doe.gov
- Mail: SNL/NM SWEIS Comments
National Nuclear Security Administration
Sandia Field Office
PO Box 5400
Albuquerque, New Mexico 87185



Questions on the Presentation

INNOVATE. COLLABORATE. DELIVER.



Questions on the Presentation (cont.)

INNOVATE. COLLABORATE. DELIVER.

- To ask a question, “raise your hand” to ask verbally or click on the “Chat” icon and select “Q&A Moderator” from the drop-down list to send it in the chat.
- Enter the question in the chat window and tap to send.
- The Q&A Moderator will read (out loud for the record) any written questions submitted by participants.
- Written questions will be presented in the order received, once all verbal questions have been answered.

Public Comments

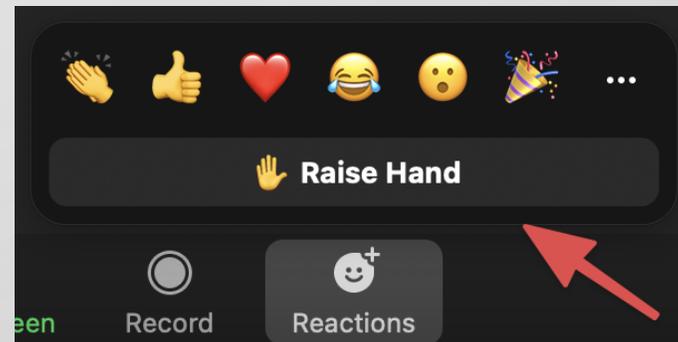
INNOVATE. COLLABORATE. DELIVER.

- Limit comments to the scope of the SWEIS.
- Raise your hand to provide verbal comments.
- You will be called (to the extent possible) in the order in which you raise your hand.

Public Comments (cont.)

INNOVATE. COLLABORATE. DELIVER.

- If participating by computer:
 - Raise your hand by clicking the hand icon found in “Reactions” tab located at the bottom right corner of the Participants panel.
 - Do not “lower” your hand until after you have spoken. At that time, you may lower your hand (by clicking the same hand icon).
 - You are not required to have your video on to deliver comments.



Public Comments (cont.)

INNOVATE. COLLABORATE. DELIVER.

- If participating by phone:
 - Raise your hand by selecting *9 on your dial pad.
 - When it is your turn to speak, the staff will unmute your line; indicated by a “beep” sound. You can unmute/mute yourself by selecting *6 on your dial pad.
 - Do not “lower” your hand until after you have spoken. At that time, you may lower your hand (by again selecting *9 on your dial pad).

Public Comments (cont.)

INNOVATE. COLLABORATE. DELIVER.

- Participants will be called on two at a time.
- Each speaker has 3 minutes to present, although more time may be available depending on the number of speakers
 - Green and yellow slides will be displayed to indicate remaining time, 3- and 1-minute respectively, and a red slide shown when time has ended.

Public Comments (cont.)

INNOVATE. COLLABORATE. DELIVER.

- Spell out first and last name and state any organizational affiliation
- Your entire comment—including your personal identifying information—may be made publicly available. If you wish for your name and/or other personally identifiable information to be withheld, please state this prominently at the beginning of your comment
- You can comment anonymously, including for your comment tonight, by not providing your name or by asking to remain anonymous

Closing

INNOVATE. COLLABORATE. DELIVER.

The comment period closes on June 5, 2023. Additional comments may be submitted by:

- Email: SNL-SWEIS@nnsa.doe.gov
- Mail: SNL/NM SWEIS Comments
National Nuclear Security Administration
Sandia Field Office
PO Box 5400
Albuquerque, New Mexico 87185

Thank you for attending tonight's meeting